

## ASTD/TDI Project Static Report

### *Remediation of Uranium Contaminated Soils*

**Focus Area:** Subsurface Contaminants Focus Area  
**TTP No.:** AL19SS31  
**Lead Site:** Albuquerque - Los Alamos National Laboratory  
**Project No.:** 99-ASTD-15  
**Tech ID/TMS No.:**

**Focus Area Manager:** Carl Lanigan, (803) 725-0404  
**Principal Investigator:** Caroline Mason, (505) 655-2422

**Technology Vendor(s)/Commercial Partner(s):**  
 None identified at this time

**Related Publication(s):** N/A

**Web Page(s):**

**Description:** Containerized vat leaching treats uranium-contaminated soils through the removal of the uranium followed by soil disposal. Soils may be initially characterized with the LRAD technology to prescreen hot spots. These will be excavated and soils will be "heap leached". The lixiviant will be treated on ion exchange resins. The volume of soils requiring LLW disposal methods will be reduced significantly.

**Application:** Can be used to treat hot spots where soil is radioactively contaminated.

**Location(s):** LANL

**Technology(ies):**

Containerized VAT Leach (CVL) System

Long-Range Alpha Detector

	<b>Funding (\$K):</b>	<b><u>FY-98</u></b>	<b><u>FY-99</u></b>	<b><u>FY-00</u></b>	<b><u>FY-01</u></b>	<b><u>Total</u></b>
<b>TTP No.:</b>	AL19SS31	\$0	\$125	\$375	\$0	\$500
<b>Leverage Source:</b>	EM-40					\$500
<b>Funding Total (\$K):</b>						<b>\$1,000</b>

<b>Cost Savings (\$M):</b>	<b><u>Proposal</u></b>	<b><u>Deployment Plan/TTP</u></b>	<b><u>Current Focus Area Projection</u></b>
	Pending	Pending	\$5,500